## INTERNATIONAL SEARCH REPORT

International application No. PCT/US03/11411

			101,000,11			
A. CLASSIFICATION OF SUBJECT MATTER  IPC(7) :A01N 57/18; C07K 1/00; G01N 38/58  US CL : 495/7.1; 514/2; 530/550  According to International Patent Classification (IPC) or to both national classification and IPC						
B. FIEL	DS SEARCHED			:		
Minimum d	ocumentation searched (classification system followe	d by classification syn	nbols)	<u> </u>		
U.S. : 435/7.1; 514/2; 530/350						
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched						
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) STN and WEST						
C. DOC	UMENTS CONSIDERED TO BE RELEVANT					
Category*	Citation of document, with indication, where a	ppropriate, of the relev	ant passages	Relevant to claim No.		
Y	CARRAWAY ETAL, "Induction of Ferritin and Heme Oxygenase-1 by Endotoxin in the Lung", American Journal of Physiology-Lung Cellular and Molecular Physiology, volume 275, Issue 3, pages L583-L592, September 1998, see entire reference.			1-20		
Y	OTTERBEIN ET AL, "Mechanism Protection against Endotoxemia in In Pathway", American Journal of Ph Molecular Physiology, Volume 272, 1997, see the entire document.	Rats: A Ferritin- ysiology-Lung (	-independent Cellular and	1-20, 36-39		
X Further documents are listed in the continuation of Box C. See patent family annex.						
Special categories of cited documents:		"I" later document	published after the inte	mational filing date or priority		
	nument defining the general state of the art which is not considered be of particular relevance		conflict with the appl theory underlying the	ication but cited to understand invention		
	lier document published on or after the international filing date			ed to involve an inventive step		
	nument which may throw doubts on priority claim(s) or which is	when the docur	ment is taken alone	ar to mantae en mastifae 210b		
	ed to establish the publication date of another citation or other cial reason (as specified)			claimed invention cannot be when the document is combined		
	cument referring to an oral disclosure, use, exhibition or other	with one or m		ents, such combination being		
	nument published prior to the international filing date but later on the priority date claimed	"&" document mem	ber of the same patent	family		
Date of the actual completion of the international search  14 JULY 2003		Date of mailing of the international search report  12 AUG 2003				
		Authorized officer_ HOPE ROBINSON  Roberto (for				
Facsimile N	o. (703) 30 <i>5</i> –3230	Telephone No. (7)	03) 308-0196	· · · · · · · · · · · · · · · · · · ·		

## INTERNATIONAL SEARCH REPORT

International application No. PCT/US03/11411

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C (Continua	tion). DOCUMENTS CONSIDERED TO BE RELEVANT		•
Category*	Citation of document, with indication, where appropriate, of the relevant passages		Relevant to claim No.
<b>X,P</b>	Dabase Biosis, Biological Abstracts Inc., (USA), No. 200 "Heme Oxygenase-1 Systin In Organ Transplantation", A Katori et al, October 2002.	21-29	
Y	Dabase Medline, US National Library of Medicine (Betl USA), No. 2001676797, "Adenovirus-mediated Heme Oxy Gene Delivery Inhibits Injury-induced Vascular Neointi-Formation", Abstract, Tulis et al., November 2001.	30-35	
<b>Y,P</b>	Dabase Medline, US National Library of Medicine (Betl USA), No. 2002393530, "Effects of Normobari Hyperoxia Model of Focal Cerebral Ischemia-Reperfusion", Abstracet al., July 2002.	ı in a Rat	36-39
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## INTERNATIONAL SEARCH REPORT

International application No. PCT/US0s/11411

Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)						
This international report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:						
1. Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:						
2. Claims Nos.:  because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:						
s. X Claims Nos.: 40 and 41  because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).						
Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)						
This International Searching Authority found multiple inventions in this international application, as follows:						
1. As all required additional search fees were timely paid by the applicant, this international search report covers a searchable claims.	n					
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.	,t					
3. As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:	t					
4. No required additional search fees were timely paid by the applicant. Consequently, this international search report i restricted to the invention first mentioned in the claims; it is covered by claims Nos.:	5					
Remark on Protest The additional search fees were accompanied by the applicant's protest.						
No protest accompanied the payment of additional search fees.						